

WHAT IS CLAIMED IS:

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1. An optical module comprising:  
a ferrule having a slope end surface and  
supporting an optical fiber penetrated therethrough;  
a photodetector attached to the slope end  
surface and optically coupled directly with the  
optical fiber;

and a module substrate supporting the ferrule;

a resin package covering the ferrule so that an end of the ferrule protrudes from the resin package.

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2. The optical module as claimed in claim 1, further comprising a supporting base mounted on the module substrate, the supporting base supporting the ferrule.

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3. The optical module as claimed in claim 1, further comprising electronic parts mounted on the module substrate.

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4. The optical module as claimed in claim 1, wherein the resin package comprises engagement

to be engaged w  
tical module as  
package comprise  
e to be engaged  
ment protrusions  
resin package.

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the engagement protrusions extend along side surfaces of the resin package.

add a<sup>2</sup>

Add  $B_3$